SET B

CLASS XI

Marking Scheme – Computer Science

QNO	Answers	Marks
1 a	CPU (ALU, Registers, Control Unit), Memory, input unit, output unit, Storage unit etc. 1 m for the correct answer	1
b	These are the softwares designed for some specific tasks like Packages (MS-Office), Utilities (Text Editor, Paint Brush, Disk Defragmentors, Customized Software (Tally, business software) and Developer Tool (software libraries). 1 m for definition and 1 m for correct example	2
c	1 m for correct Correct definition	1
d	2 m for correct answer	2
e	Any 2 difference 1 m each for correct answer	2
2 a	i. $X'+Y.X+Y.X+Y'$ ii. $(A.1).(A+0+A')$ 1 m each for correct answer	2
b	2 m for correct design and symbols	2
c	1 m for definition and 2 m for truth table	3
3 a	1 m for correct answer	1
b	79,80.8A,8B,8C,8D 1 m for correct answer	1
c	1 m each for correct answer.	2
d	1 m each for correct answer	2
e	2 m for correct answer	2
f	Correct symbols and correct logic 1 m each	2
4 a	1 m for correct answer	1
b	1 m for correct answer	1
c	1 m for correct answer	2
d	1 m for difference and 1 m for example	2
e	i.False ii. true 1 m each	2

f	15 25 14 50 ½ m each for correct answer	2
5 a	int, float,complex,string 1 m for correct answer	1
b	1 m for correct answer	1
c	28 24 20 16	2

d	Find errors in the following code (if any) and correct it. Rewrite the correct code.
	
	    i. a,b,c= 10,20,4
	        x=a+**bc**+ a*c --→ b*c
	  ii. age=int(**input("Enter any character "))**
	      if age>18:
	        print("Major")
	      elif age < 18:
	        print("Senior")
	      else:
	      PRINT("Minor") -→ print
	½ m for each error
		2

e	[8, 2, 24, 4, 5, 24] [24, 4, 5] 1 m each for each line	2

f	
	N= 20
	sum = 0
	for i in range(1,20,3):
	   if i%2==0:
	      sum = sum+i
	print(sum)
	
	Output is 30
	2 m for for loop and 1 m for output
		3

6 a	Difference 2 m and exception 1m.	3
b	for correct initialization, test condition & nested loop 1 m each	3
c	2 @ 0 2 @ 1 4 @ 0 4 @ 1 4 @ 2 4 @ 3 21 2 marks for loop part 1 m final output	3
d	1 m for explanation and eg. 2 m for correct output	3

7 a	1 m for input statement 1 m for loop 1 m for getting the number in reverse 1 m for print statement	4
b	1 m for input statement 1 m for loop 1 m for getting the number in reverse 1 m for print statement	4
c	1 m for input statement 1 m for loop 1 m for getting the number in reverse 1 m for print statement	4
	End of the Question Paper	